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Research Note 84-7

1

MAINTENANCE PERFORMANCE SYSTEM (ORGANIZATIONAL)  
DESIGN SPECIFICATION FOR THE NEW INFORMATION AND EVALUATION SYSTEM (I&ES)

Volume 2: Data Entry Forms, Task Lists, and Report Formats

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V. Alan Spiker, and Anthony L. Wotkyns  
Anacapa Sciences, Inc.

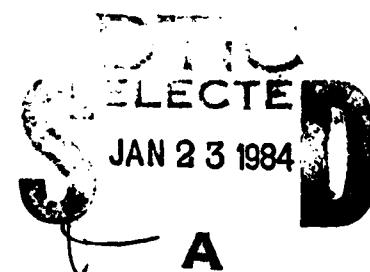
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U. S. Army

Research Institute for the Behavioral and Social Sciences

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<input checked="" type="checkbox"/> ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>The I&amp;ES is one component of the Maintenance Performance System-Organizational (MPS-O) which is an integrated system designed to monitor and evaluate the performance of Army organizational level maintenance. This document supports Volume 1 by providing samples of data entry forms, task lists, and report formats specified in the I&amp;ES description.</p>		

## PREFACE

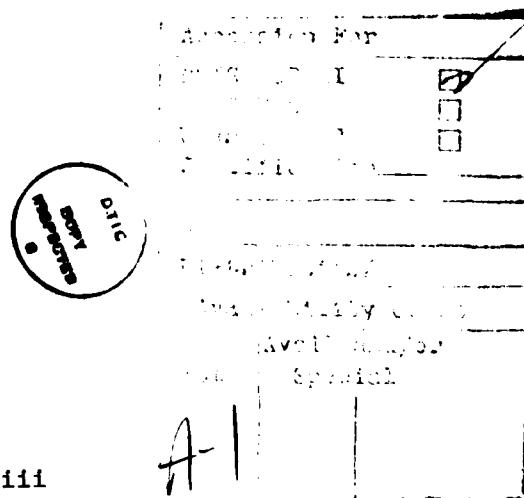
This is Volume 2 of a two-volume specification for the design of the new Information and Evaluation System (I&ES). The current I&ES is a minicomputer-based management information system that is used to monitor and evaluate the performance of Army organizational-level maintenance. This system is being upgraded by extending its coverage to new MOS's and equipments. In addition, data entry forms and reports are being modified to give the system greater utility from the user's viewpoint.

The I&ES is one aspect of the Maintenance Performance System (Organizational). The MPS(O) consists of an integrated package of techniques and procedures for improving the efficiency and effectiveness of Army organizational-level maintenance.

The two volumes of this specification were prepared primarily to provide a programmer with the specific information needed to upgrade the I&ES program. They also give a complete description of the I&ES.

Volume 1 of this specification provides a system description, including procedures for data entry, report generation, data base editing, and features and use of utility programs.

Volume 2 is a supporting document that contains samples of data entry forms, task lists, and report formats. Because of the unique purpose and limited distribution of this document, some examples are presented containing handwritten data since it would not be cost-effective to transcribe these data into printed formats for record purposes only.



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**APPENDIX A**  
**DATA ENTRY FORMS**

Series

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Participants

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**1 PREVENTIVE MAINTENANCE CHECKS AND SERVICES  
(PMCS)**

1. \_\_\_\_\_ Julian date

2. \_\_\_\_\_ Vehicle bumper number

3. 

1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	Vehicle Type
M60	AVLB	M113	M88	M578	

4. 

1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	MOS
11C / 19D	12F	19E	45N	63N/T	

5. Names Man-hours

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## 2 PREVENTIVE MAINTENANCE SERVICES

1. \_\_\_\_\_ Julian date

2. \_\_\_\_\_ Vehicle bumper number

3. 

1	2	3	4	5	6	7	8	9
<input type="checkbox"/>								
M60	AVLB	M113	M88	M578	M151	M35/M561/ M54	M792	GOER

 Vehicle Type

4. 

1	2	3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45N	63B/S	63N/T

 MOS

5. 

1	2	3	4	5
<input type="checkbox"/>				
Q	S	A	L	OTH

 PM Service

6. Names \_\_\_\_\_ Man-Hours \_\_\_\_\_

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

### **3 CORRECTIVE MAINTENANCE**

1. Julian date

2. \_\_\_\_\_ Vehicle bumper number

3.	1 <input type="checkbox"/> M60           2 <input type="checkbox"/> AVLB           3 <input type="checkbox"/> M113           4 <input type="checkbox"/> M88           5 <input type="checkbox"/> M578           6 <input type="checkbox"/> M151           7 <input type="checkbox"/> M35/M561/ M54 M792           8 <input type="checkbox"/> GOER           9 <input type="checkbox"/> Radio	Equipment Type
----	---	----------------

4. **MOS**  
 1. **11C / 19D**    2. **12F**    3. **1SE**    4. **31V**    5. **45N**    6. **63B / S**    7. **63N / T**

## **MAN-HOURS BY TASK**

5. Task Number					Add Tasks
6. Mechanic Names					
7. Crew Names					

8. \_\_\_\_\_ Parts Cost

## 4 INTERPRETATION COMMENTS

### Julian date

## Comments

Fig. 1. A photograph of the 10 cm scale bar.

**ANSWER** The answer is 1000. The first two digits of the number 1000 are 10.

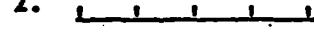
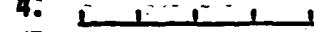
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—  
—  
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## 5 TRAINING CYCLE DEFINITION

	Week ending Julian date	Training cycle
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

## 6 ROSTER UPDATE

### ADD name

1.  1  2  3  4  5  6  7 MOS  
11C/19D 12F 19E 31V 45N 63B/S 63N/T

2. \_\_\_\_\_ ( )  
Name (Primary MOS-paygrade)

3. \_\_\_\_\_ Start date

4. \_\_\_\_\_ ETD date

### DELETE

Effective  
Code # Julian date Name

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

### MODIFY

Effective  
Code # Julian date Change

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

## 7 MAINTENANCE TASK EXPERIENCE HISTORY (11C/19D)

NAME \_\_\_\_\_ PRIMARY MOS \_\_\_\_\_ PAYGRADE \_\_\_\_\_

Yes

No

Zero history?

---

WRITE DOWN HOW MANY TIMES YOU ESTIMATE YOU HAVE DONE EACH  
TASK SINCE COMPLETING AIT.

### CORRECTIVE MAINTENANCE TASKS

#### CARRIER M113A1 FAMILY

1. REPLACE TRACK SHOES (PADS) \_\_\_\_\_
2. REPLACE TRACK ASSEMBLY OR TRACK BLOCK \_\_\_\_\_
3. ADJUST TRACK TENSION \_\_\_\_\_
4. REPLACE ROADWHEEL \_\_\_\_\_
5. REPLACE IDLER ARM AND SPINDLE \_\_\_\_\_
6. REPLACE AIR CLEANER \_\_\_\_\_
7. REPLACE FUEL FILTER \_\_\_\_\_
8. REPLACE FUEL GAGE \_\_\_\_\_
9. REPLACE OIL FILTER \_\_\_\_\_
10. ADJUST DIFFERENTIAL CONTROL \_\_\_\_\_
11. REMOVE OR INSTALL PERISCOPE, M17 \_\_\_\_\_
12. REMOVE OR INSTALL PERISCOPE, M19 (1R) \_\_\_\_\_
13. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS \_\_\_\_\_

## 8 SERVICEABILITY CHECK

---

Mechanic/crewman name

---

Vehicle bumper number

1. \_\_\_\_\_ Julian date

2.      1      2  
            
      M60      M113      Vehicle type

3.      1      2      3  
                
      Battery    Regulator    Generator      DX Item

---

For DX use only

4.      1      2  
            
      Yes      No      Serviceable?

Remove tag after testing  
and hold for pickup by  
Anacapa Sciences

## 9 VEHICLE MILEAGE

1.	<input type="checkbox"/> 1 M60	<input type="checkbox"/> 2 M113	<input type="checkbox"/> 3 M88	<input type="checkbox"/> 4 M578	<input type="checkbox"/> 5 M151	<input type="checkbox"/> 6 M35/54	<input type="checkbox"/> 7 M561/ 792	<input type="checkbox"/> 8 COER	Equipment Type
----	-----------------------------------	------------------------------------	-----------------------------------	------------------------------------	------------------------------------	--------------------------------------	--	------------------------------------	-------------------

	Vehicle bumper #	Mileage reading
--	---------------------	--------------------

2.	_____	_____
----	-------	-------

3.	_____	_____
----	-------	-------

4.	_____	_____
----	-------	-------

5.	_____	_____
----	-------	-------

6.	_____	_____
----	-------	-------

7.	_____	_____
----	-------	-------

8.	_____	_____
----	-------	-------

9.	_____	_____
----	-------	-------

10.	_____	_____
-----	-------	-------

11.	_____	_____
-----	-------	-------

12.	_____	_____
-----	-------	-------

13.	_____	_____
-----	-------	-------

14.	_____	_____
-----	-------	-------

15.	_____	_____
-----	-------	-------

10 VEHICLE BUMPER NUMBER

ADD Bumper number

1.	<input type="checkbox"/>	Vehicle Type						
	M60	M113	M88	M578	M151	M34/54	M561/792	COER
	Date	Bumper #						
2.	_____		_____					
3.	_____		_____					
4.	_____		_____					
5.	_____		_____					
6.	_____		_____					
7.	_____		_____					
8.	_____		_____					
9.	_____		_____					

MODIFY Bumper number

1.	<input type="checkbox"/>	Vehicle Type						
	M60	M113	M88	M578	M151	M34/54	M561/792	COER
2.	Old #							
3.	New #							

DELETE Bumper number

1.	<input type="checkbox"/>	Vehicle Type						
	M60	M113	M88	M578	M151	M34/54	M561/792	COER
	Date	Bumper #						
2.	_____		_____					

## **11 MECHANIC QUALIFICATION/CERTIFICATION**

1. Julian d.

2. **1**  **2**  **3**  **4**  **5**  **6**   
**M60**    **M113**    **M88**    **M578**    **M151**    **M35/54**

## Equipment Type

3. 

1	2	3	4
31V	45N	63B /S	63N /T

**4. Mechanic's name**

## 6. "Q" "A" "S" "L"   PM Service

**7.** \_\_\_\_\_ **Certification**

**APPENDIX B**

**TASK LISTS**

**MOS:** 11C/19D

**EQUIPMENT TYPE:** M113

**TASK TYPE:** Corrective Maintenance

1. REPLACE TRACK SHOES (PADS)
2. REPLACE TRACK ASSEMBLY OR TRACK BLOCK
3. ADJUST TRACK TENSION
4. REPLACE ROADWHEEL
5. REPLACE IDLER ARM AND SPINDLE
  
6. REPLACE AIR CLEANER
7. REPLACE FUEL FILTER
8. REPLACE FUEL GAGE
9. REPLACE OIL FILTER
10. ADJUST DIFFERENTIAL CONTROL
  
11. REMOVE OR INSTALL PERISCOPE, M17
12. REMOVE OR INSTALL PERISCOPE, M19 (IR)
13. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
14. OTHER

**MOS: 12F**

**EQUIPMENT TYPE: AVLB**

**TASK TYPE: Corrective Maintenance**

1. REPLACE TRACK ASSEMBLY OR TRACK BLOCK
2. REPLACE TRACK PADS
3. REPLACE END CONNECTORS AND/OR CENTER GUIDES
4. ADJUST TRACK TENSION
5. REPLACE ROAD WHEEL
  
6. REPLACE ROAD WHEEL/SUPPORT ROLLER BEARINGS AND SEALS
7. REPLACE ROAD WHEEL ARM
8. REPLACE SUPPORT ROLLER
9. REPLACE TORSION BAR
10. REPLACE SHOCK ABSORBERS
  
11. REPLACE COMPENSATING IDLER WHEEL HUB AND ARM
12. REPLACE COMPENSATING IDLER ASSEMBLY
13. REPLACE DRIVE SPROCKET
14. REMOVE BACK DECK
15. INSTALL BACK DECK
  
16. REMOVE DEFECTIVE/INOPERABLE POWERPACK
17. INSTALL REPAIRED POWERPACK
18. REMOVE POWERPACK TO DO OTHER TASK(S)
19. INSTALL POWERPACK AFTER COMPLETING OTHER TASK(S)
20. REPLACE FINAL DRIVE
  
21. REPLACE FINAL DRIVE SEALS
22. REPLACE FUEL FILTER
23. REPLACE OIL FILTER
24. REPLACE AIR CLEANER FILTER
25. REPLACE BATTERIES, CABLES AND/OR CLAMPS
  
26. REMOVE OR INSTALL DRIVER'S PERISCOPE, M24 (IR)
27. REMOVE OR INSTALL DRIVER'S PERISCOPE, M27
28. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
29. OTHER

**MOS: 19E**

**EQUIPMENT TYPE: M60**

**TASK TYPE: Corrective Maintenance**

1. REPLACE TRACK ASSEMBLY OR TRACK BLOCK
2. REPLACE TRACK PADS
3. REPLACE END CONNECTORS AND/OR CENTER GUIDES
4. ADJUST TRACK TENSION
5. REPLACE ROAD WHEEL
  
6. REPLACE ROAD WHEEL/SUPPORT ROLLER BEARINGS AND SEALS
7. REPLACE ROAD WHEEL ARM
8. REPLACE SUPPORT ROLLER
9. REPLACE TORSION BAR
10. REPLACE SHOCK ABSORBERS
  
11. REPLACE COMPENSATING IDLER WHEEL HUB AND ARM
12. REPLACE COMPENSATING IDLER ASSEMBLY
13. REPLACE DRIVE SPROCKET
14. REMOVE BACK DECK
15. INSTALL BACK DECK
  
16. REMOVE DEFECTIVE/INOPERABLE POWERPACK
17. INSTALL REPAIRED POWERPACK
18. REMOVE POWERPACK TO DO OTHER TASK(S)
19. INSTALL POWERPACK AFTER COMPLETING OTHER TASK(S)
20. REPLACE FINAL DRIVE
  
21. REPLACE FINAL DRIVE SEALS
22. REPLACE FUEL FILTER
23. REPLACE OIL FILTER
24. REPLACE AIR CLEANER FILTER
25. REPLACE BATTERIES, CABLES AND/OR CLAMPS
  
26. REMOVE OR INSTALL DRIVER'S PERISCOPE, M24 (IR)
27. REMOVE OR INSTALL DRIVER'S PERISCOPE, M27
28. REMOVE OR INSTALL LOADER'S PERISCOPE, M37
29. REMOVE OR INSTALL TC/GUNNER'S PERISCOPE, M32/36 (IR)
30. REPAIR BREECH BLOCK
  
31. REPAIR BREECH OPERATING MECHANISM
32. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
33. OTHER

**MOS:** 31V

**EQUIPMENT TYPE:** Radio

**TASK TYPE:** Corrective Maintenance

1. TEST/REPLACE ANTENNA ELEMENT, AT-1095 OR AS-1730
2. TEST/REPLACE ANTENNA MATCHING UNIT, MX-6707
3. TEST/REPLACE RF CABLE, CG-1773
4. TEST/REPLACE CABLE, CX-4722/4723
5. TEST RECEIVER/TRANSMITTER, RT-246 OR 524
  
6. TEST RECEIVER, R-442
7. TEST/REPLACE AMPLIFIER, AM-2060
8. TEST/REPLACE MOUNTING, MT-1029 OR 1898
9. TEST/REPLACE AUDIO FREQUENCY AMPLIFIER, AM-1780
10. TEST/REPLACE INTERCOM CONTROL SET, C-2296/7/8
  
11. TEST/REPLACE RADIO CONTROL SET, C-2299
12. TEST/REPLACE FREQUENCY SELECTION CONTROL, C-2742
13. TEST/REPLACE POWER CABLE, CX-4655 (VRC-64)
14. TEST/REPLACE SUPPRESSOR, MX-7778A
15. TEST/REPAIR HELMET, CVC
  
16. TEST/REPAIR SWITCHBOARD, SB-22 OR SB-993
17. TEST/REPAIR TELEPHONE, TA-312 OR TA-1
18. TEST LOUDSPEAKER, LS-103
19. TEST MICROPHONE OR HANDSET
20. SERVICE WIRE, WD-1 AND/OR REEL, DR-8
  
21. OTHER

**MOS: 45N**

**EQUIPMENT TYPE: M60**

**TASK TYPE: Corrective Maintenance**

1. REPLACE SLIP RING INTERFERENCE SWITCH
2. REPLACE NO-BAK
3. REPLACE BACK DECK CLEARANCE SWITCH
4. REPAIR MAIN GUN FIRING CIRCUIT
5. REPLACE STABILIZATION SYSTEM CONTROL BOX
  
6. REPLACE STABILIZATION SYSTEM COMPONENTS
7. ADJUST STABILIZATION SYSTEM
8. REPLACE SUPERELEVATION ACTUATOR
9. REPLACE SUPERELEVATION ACTUATOR CABLE
10. REPLACE ELEVATION SYSTEM
  
11. REPLACE MANUAL ELEVATION PUMP
12. PURGE AND CHARGE MANUAL ELEVATION SYSTEM
13. REPLACE ANTI-BACKLASH CYLINDER
14. ADJUST BACKLASH
15. REPLACE MAIN ACCUMULATOR
  
16. REPLACE ACCUMULATOR PRESSURE GAUGE
17. CHARGE MAIN ACCUMULATOR
18. REPLACE COMMANDER'S POWER CONTROL HANDLE
19. REPAIR GUNNER'S HANDLE PALM SWITCHES
20. REPAIR TC'S HANDLE PALM SWITCHES
  
21. REPLACE GUNNER'S CONTROL BOX
22. REPLACE/ADJUST LOADER'S SAFETY SWITCH
23. REPLACE SOLENOID VALVE
24. PERFORM SYNCHRONIZATION CHECK - RAMP METHOD
25. PERFORM SYNCHRONIZATION CHECK - INDOOR METHOD
  
26. REPLACE AZIMUTH INDICATOR
27. REPLACE M13A2/M13A1D BALLISTIC COMPUTER
28. REPLACE RANGEFINDER AND/OR END HOUSING
29. PURGE AND CHARGE SIGHTS
30. REPLACE M32/M36 PERISCOPE HEAD ASSEMBLY
  
31. REPLACE M32/M36 PERISCOPE BODY ASSEMBLY
32. REPLACE M32/M36 LIGHT CONTROL SOURCE (INFINITY SIGHT)
33. REPLACE TURRET POWER DISTRIBUTION BOX
34. ADJUST CUPOLA CRADLE ASSEMBLY
35. REPLACE/REPAIR CRADLE JACK SCREW ASSEMBLY
  
36. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
37. OTHER

**MOS: 45N**

**EQUIPMENT TYPE: M60**

**TASK TYPE: PM Service**

**1. PERFORM 'Q' SERVICE**

**MOS: 63B/S**

**EQUIPMENT TYPE: M151**

**TASK TYPE: Corrective Maintenance**

1. ADJUST VALVES
2. ADJUST CLUTCH PEDAL FREE TRAVEL
3. REPLACE CLUTCH, PRESSURE PLATE AND THROWOUT BEARING
4. REPLACE CARBURETOR
5. REPLACE FUEL LINES AND VENT TUBES
6. REPLACE FUEL FILTERS
7. REPLACE FUEL PUMP
8. REPLACE FUEL TANK
9. REPLACE EXHAUST GASKETS
10. REPLACE MUFFLER AND/OR TAIL PIPE
11. REPLACE RADIATOR
12. REPLACE COOLANT HOSES AND CLAMPS
13. REPLACE BELTS AND/OR PULLEYS
14. ADJUST BELTS
15. REPLACE GENERATOR
16. REPLACE STARTER
17. REPLACE IGNITION DISTRIBUTOR
- 18. REPLACE CAPACITOR, ROTOR CONTACT POINTS AND/OR SPARK PLUGS
- 19. ADJUST CONTACT POINTS
- 20. ADJUST IGNITION TIMING
21. REPAIR WIRING
22. REPLACE BATTERIES, CABLES AND/OR CLAMPS
23. REPLACE CIRCUIT BREAKERS
24. REPLACE LIGHT BULBS AND WIRES
25. REPLACE SENDING UNITS OR GAGES
26. REPLACE UNIVERSAL JOINTS
27. REPLACE DIFFERENTIAL, FRONT OR REAR
28. REPLACE DIFFERENTIAL SEAL
29. REPLACE TRANSMISSION SEALS
30. REPLACE SLEEVE, SHAFT AND CROSS WHEEL DRIVE SEALS, FLANGE AND SPINDLE
31. REPLACE WHEEL BEARING
32. ADJUST WHEEL BEARING
33. ADJUST SERVICE BRAKES
34. ADJUST PARKING BRAKES
35. REPLACE SERVICE BRAKES

MOS: 63B/S - Type M151 (Continued)

36. REPLACE SERVICE BRAKE LINES AND HOSES
37. REPLACE MASTER CYLINDER
38. REPLACE WHEEL CYLINDER
39. REPLACE PARKING BRAKES
40. ADJUST TOE IN
  
41. REPLACE UPPER AND LOWER BALL JOINTS
42. REPLACE UPPER AND LOWER SUSPENSION ARMS
43. REPLACE SPRINGS
44. REPLACE SHOCK ABSORBERS
45. REPLACE FRONT SHOCK BUSHINGS
  
46. REPLACE OR REPAIR TIRES
47. REPLACE WINDSHIELD WIPER MOTOR
48. REPLACE WINDSHIELD WIPER ARM AND BLADE
49. REPLACE WINDSHIELD
50. REPLACE PERSONNEL HEATER ASSEMBLY
  
51. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
52. OTHER

**MOS: 63B/S**

**EQUIPMENT TYPE: M151**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63B/S**

**EQUIPMENT TYPE: M35/M54**

**TASK TYPE: Corrective Maintenance**

1. ADJUST CLUTCH CONTROLS AND LINKAGE
2. REPLACE CLUTCH CONTROLS AND LINKAGE
3. REPLACE ELECTRICAL INTANK FUEL PUMP
4. TIGHTEN FUEL LINES AND FITTINGS
5. ADJUST/REPLACE ACCELERATOR CONTROLS AND LINKAGE
6. REPLACE FUEL OR OIL FILTERS
7. REPLACE EXHAUST GASKETS
8. REPLACE AIR CLEANER
9. REPLACE RADIATOR
10. REPLACE RADIATOR HOSE AND CLAMPS
11. REPLACE WATER PUMP
12. ADJUST FAN BELT
13. REPLACE FAN BELT
14. REPLACE STARTER
15. REPLACE BATTERY, CABLES AND/OR CLAMPS
16. REPLACE 25 AMP VOLTAGE REGULATOR
17. REPLACE GENERATOR/ALTERNATOR
18. REPLACE LIGHTS AND SWITCHES
19. REPLACE SENDING UNITS OR GAGES
20. REPAIR WIRING/CABLES
21. REPLACE HORN AND/OR WIRING
22. REPLACE EMERGENCY WARNING BUZZER
23. REPLACE UNIVERSAL JOINT
24. ADJUST SERVICE BRAKES
25. REPLACE HAND BRAKE SHOE
26. REPLACE SERVICE BRAKE SHOE
27. REPLACE MASTER CYLINDER
28. REPLACE WHEEL CYLINDER
29. REPLACE BRAKE LINES, FITTINGS OR HOSE
30. REPLACE HYDRAULIC CYLINDER (HYDROVAC)
31. REPAIR AIR SYSTEM LINES AND FITTINGS
32. REPLACE AIR COMPRESSOR
33. REPLACE AIR COMPRESSOR DRIVE BELT
34. REPLACE/REPACK WHEEL BEARINGS AND OUTER SEALS
35. REPLACE INNER AXLE SEALS

**MOS: 63B/S - Type M35/M54 (Continued)**

- 36. REPLACE/REPAIR TIRES**
- 37. REPLACE/TIGHTEN LUG STUDS AND NUTS**
- 38. ADJUST STEERING GEAR**
- 39. REPLACE PITMAN ARM**
- 40. REPLACE DRAG LINK COMPONENTS**
  
- 41. REPLACE STEERING KNUCKLE BOOT**
- 42. REPLACE SPRING SHACKLES AND BOLTS**
- 43. REPLACE WINDSHIELD WIPER MOTOR**
- 44. REPLACE WINDOWS, DOORS, OR MIRRORS**
- 45. REPLACE OR REPAIR WINCH CABLES, SHEAR PIN, OR DRIVE SHAFT**
  
- 46. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS**
- 47. OTHER**

**MOS: 63B/S**

**EQUIPMENT TYPE: M35/M54**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS:** 63B/S

**EQUIPMENT TYPE:** M561/M792

**TASK TYPE:** Corrective Maintenance

1. REPLACE OIL FILTER ELEMENT
2. REPLACE AIR BOX DRAIN TUBE
3. ADJUST ACCELERATOR LINKAGE
4. ADJUST ENGINE STOP CABLE
5. REPLACE AIR CLEANER ELEMENT
  
6. REPLACE EXHAUST GASKETS
7. REPLACE MUFFLER AND/OR TAILPIPE
8. ADJUST BELTS
9. REPLACE BELTS
10. REPLACE RADIATOR
  
11. REPLACE STARTER MOTOR
12. REPAIR WIRING
13. REPLACE BATTERIES, CABLES AND/OR CLAMPS
14. REPLACE LIGHTS
15. REPLACE HORN ASSEMBLY
  
16. ADJUST TRANSMISSION CONTROL AND LINKAGE
17. REPLACE UNIVERSAL JOINT
18. ADJUST PARKING BRAKE HANDLE AND LINKAGE
19. REPLACE MASTER CYLINDER
20. ADJUST AND BLEED SERVICE BRAKES
  
21. REPLACE FRONT OR REAR STEERING GEAR BOX
22. REPLACE TRACTOR AND CARRIER STEERING KNUCKLE
23. REPLACE TRACTOR AND CARRIER TIE ROD ASSEMBLIES
24. REPAIR TRACTOR FRONT TORQUE TUBE BEARING
25. REPLACE TRACTOR FRONT AND CARRIER SHOCK ABSORBERS
  
26. REPLACE INNER AND OUTER CENTRAL AXLE SHOCK ABSORBERS
27. REPLACE STEERING WHEEL
28. REPLACE WINDSHIELD WIPER MOTOR
29. REPLACE PERSONNEL HEATER.
30. REPLACE BILGE PUMP
  
31. REPLACE WATERTIGHT SEALS
32. ADJUST, TIGHTEN OR REPLACE MINOR COMPONENTS
33. OTHER

**MOS: 63B/S**

**EQUIPMENT TYPE: M561/M792**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63B/S**

**EQUIPMENT TYPE: GOER**

**TASK TYPE: Corrective Maintenance**

- 1. REPLACE GENERATOR**
- 2. REPLACE AND/OR ADJUST BELTS**
- 3. REPLACE STARTER**
- 4. REPLACE RADIATOR**
- 5. REPAIR WIRING**
  
- 6. REPLACE PRIMARY FUEL FILTER ELEMENT**
- 7. REPLACE SECONDARY FUEL FILTER ELEMENT**
- 8. REPLACE SERVICE BRAKES**
- 9. REPLACE KING PINS**
- 10. REPLACE/REPAIR HORN**
  
- 11. REPAIR HYDRAULIC SYSTEM**
- 12. ADJUST, TIGHTEN OR REPLACE MINOR COMPONENTS**
- 13. OTHER**

**MOS: 63B/S**

**EQUIPMENT TYPE: GOER**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS:** 63N/T

**EQUIPMENT TYPE:** M60

**TASK TYPE:** Corrective Maintenance

1. REMOVE DEFECTIVE/INOPERATIVE POWERPACK
2. GROUND HOP POWERPACK
3. INSTALL REPAIRED POWERPACK
4. REMOVE POWERPACK TO DO OTHER TASK(S)
5. INSTALL POWERPACK AFTER COMPLETING OTHER TASK(S)
  
6. REMOVE BACK DECK
7. INSTALL BACK DECK
8. REPLACE FUEL LINES AND/OR FITTINGS
9. REPLACE FUEL FILTERS
10. REPLACE OIL COOLER
  
11. REPLACE OIL FILTERS
12. REPLACE OIL COOLER LINES
13. ADJUST ACCELERATOR, THROTTLE CONTROLS, AND LINKAGE
14. REPLACE ACCELERATOR, THROTTLE CONTROLS, AND/OR LINKAGE
15. TROUBLESHOOT ELECTRICAL SYSTEM
  
16. REPAIR WIRING
17. REPLACE SENDING UNITS OR GAGES
18. REPLACE CIRCUIT BREAKERS
19. REPLACE BATTERIES, CABLES, AND/OR CLAMPS
20. REPLACE VOLTAGE REGULATOR
  
21. REPLACE STARTER
22. REPLACE GENERATOR AND/OR SEAL
23. REPLACE AIR CLEANER BLOWER MOTOR
24. REPLACE BLOWER MOTOR RELAY
25. REPLACE FAN TOWER SEAL
  
26. ADJUST TRANSMISSION LINKAGE
27. REPLACE TRANSMISSION SHIFTING CONTROL ASSEMBLY
28. REPLACE FINAL DRIVE
29. REPLACE FINAL DRIVE SEALS
30. REPLACE MASTER OR SLAVE CYLINDER
  
31. REPLACE MAIN BRAKE LINE
32. BLEED BRAKE LINES
33. ADJUST BRAKES, CONTROLS, AND/OR LINKAGE
34. REPLACE PARKING BRAKE AND/OR CABLE
35. ADJUST SERVO BANDS
  
36. ADJUST STEERING CONTROLS AND LINKAGE
37. REPLACE FIXED FIRE EXTINGUISHERS
38. ADJUST/RESET FIXED FIRE EXTINGUISHER CONTROL VALVES
39. REPLACE ROAD WHEEL BEARINGS AND SEALS
40. REPLACE SUPPORT ROLLER BEARINGS AND SEALS
  
41. REPLACE SHOCK ABSORBER
42. REPLACE SHOCK ABSORBER BUSHINGS
43. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
44. OTHER

**MOS:** 63N/T

**EQUIPMENT TYPE:** M60

**TASK TYPE:** PM Service

1. PERFORM 'Q' SERVICE
2. PERFORM 'L' SERVICE

**MOS: 63N/T**

**EQUIPMENT TYPE: M113**

**TASK TYPE: Corrective Maintenance**

1. REMOVE DEFECTIVE/INOPERATIVE POWER PLANT
2. INSTALL REPAIRED POWER PLANT
3. REMOVE POWER PLANT TO DO OTHER TASK(S)
4. INSTALL POWER PLANT AFTER COMPLETING OTHER TASK(S)
5. REPLACE FUEL FILTERS
  
6. REPLACE FUEL PUMP
7. REPLACE FUEL PRESSURE SENDING UNIT
8. REPLACE FUEL TANK
9. REPLACE FUEL SHUTOFF CONTROL
10. REPLACE HAND THROTTLE CONTROL
  
11. REPLACE COOLING FAN TOWER
12. REPLACE RADIATOR
13. REPLACE RADIATOR HOSE
14. REPLACE COOLANT PUMP
15. REPLACE STARTER
  
16. REPLACE STARTER SOLENOID
17. REPLACE GENERATOR
18. REPLACE BELTS AND/OR PULLEYS
19. ADJUST BELTS
20. TROUBLESHOOT ELECTRICAL SYSTEMS
  
21. REPAIR WIRING
22. REPLACE SENDING UNITS OR GAGES
23. REPLACE BATTERIES, CABLES, AND/OR CLAMPS
24. REPLACE VOLTAGE REGULATOR
25. ADJUST VOLTAGE REGULATOR
  
26. ADJUST TRANSMISSION LINKAGE
27. REPLACE TRANSMISSION CROSS SHAFT
28. REPLACE OIL FILTERS
29. REPLACE OIL COOLER
30. REPLACE OIL COOLER HOSE AND FITTINGS
  
31. REPLACE FINAL DRIVE
32. ADJUST DIFFERENTIAL CONTROL
33. REPLACE PIVOT STEER ASSEMBLY
34. ADJUST STEERING BRAKE BAND
35. REPLACE FIXED FIRE EXTINGUISHERS
  
36. REPLACE ROAD WHEEL ARM AND HUB
37. REPLACE ROAD WHEEL BEARINGS
38. REPLACE IDLER WHEEL ARM AND SPINDLE
39. REPLACE U-JOINT
40. REPLACE EXHAUST GASKETS OR OTHER EXHAUST COMPONENTS
  
41. REPLACE PERSONNEL HEATER
42. REPLACE BILGE PUMP
43. REPLACE WATERTIGHT SEALS
44. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
46. OTHER

**MOS: 63N/T**

**EQUIPMENT TYPE: M113**

**TASK TYPE: PM Service**

- 1. PERFORM 'S' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63N/T**

**EQUIPMENT TYPE: M88**

**TASK TYPE: Corrective Maintenance**

1. REMOVE DEFECTIVE/INOPERATIVE POWER PLANT
2. GROUND HOP POWER PLANT
3. INSTALL REPAIRED POWER PLANT
4. REMOVE POWER PLANT TO DO OTHER TASK(S)
5. INSTALL POWER PLANT AFTER COMPLETING OTHER TASK(S)
  
6. REMOVE BACK DECK
7. INSTALL BACK DECK
8. REPLACE OR REPAIR FRONT MOTOR MOUNT ASSEMBLY
9. REPLACE FUEL LINES AND/OR FITTINGS
10. REPLACE FUEL FILTERS
  
11. REPAIR FUEL SHUTOFF CONTROL VALVE
12. ADJUST ACCELERATOR, THROTTLE CONTROLS AND LINKAGE
13. REPLACE ACCELERATOR, THROTTLE CONTROLS AND/OR LINKAGE
14. REPLACE OIL COOLER
15. REPLACE OIL FILTERS
  
16. REPLACE OIL LINES
17. TROUBLESHOOT ELECTRICAL SYSTEM
18. REPAIR WIRING
19. REPLACE SENDING UNITS OR GAGES
20. REPLACE CIRCUIT BREAKERS
  
21. REPLACE BATTERIES, CABLES AND/OR CLAMPS
22. REPLACE ELECTRICAL FUEL SHUTOFF
23. REPLACE VOLTAGE REGULATOR
24. REPLACE MAIN ENGINE STARTER
25. REPLACE STARTER RELAY AND HOUSING ASSEMBLY
  
26. REPLACE MAIN ENGINE GENERATOR
27. REPLACE APU ASSEMBLY
28. REPLACE APU GENERATOR STARTER
29. REPLACE APU FUEL PUMP AND/OR FILTER
30. ADJUST TRANSMISSION LINKAGE
  
31. REPLACE TRANSMISSION SHIFTING CONTROL ASSEMBLY
32. REPLACE OR REPAIR HYDRAULIC LINES AND FITTINGS
33. REPLACE FINAL DRIVE
34. REPLACE FINAL DRIVE SEALS (O RINGS)
35. ADJUST BRAKES, CONTROLS AND/OR LINKAGE

**MOS: 63N/T**

**EQUIPMENT TYPE: M88**

**TASK TYPE: PM Service**

- 1. PERFORM 'Q' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63N/T**

**EQUIPMENT TYPE: M578**

**TASK TYPE: Corrective Maintenance**

1. REMOVE DEFECTIVE/INOPERATIVE POWER PLANT
2. INSTALL REPAIRED POWER PLANT
3. REMOVE POWER PLANT TO DO OTHER TASK(S)
4. INSTALL POWER PLANT AFTER COMPLETING OTHER TASK(S)
5. REPLACE AIR CLEANER BLOWER ASSEMBLY
  
6. REPLACE FUEL FILTERS
7. REPLACE FUEL LOW PRESSURE LINES AND/OR FITTINGS
8. REPLACE OIL FILTERS
9. REPLACE RADIATOR
10. REPLACE WATER HOSES AND PIPES
  
11. REPLACE FAN TOWER
12. REPLACE FAN BELTS
13. REPLACE FAN TOWER BELTS
14. TROUBLESHOOT ELECTRICAL SYSTEM
15. REPAIR WIRING
  
16. REPLACE SENDING UNITS OR GAGES
17. REPLACE BATTERIES, CABLES, AND/OR CLAMPS
18. REPLACE VOLTAGE REGULATOR
19. REPLACE GENERATOR
20. REPLACE FINAL DRIVE
  
21. ADJUST SHIFTING CONTROLS AND LINKAGE
22. REPLACE UNIVERSAL JOINT
23. REPLACE PARKING BRAKE ASSEMBLY
24. ADJUST MECHANICAL BRAKE CONTROLS AND LINKAGE
25. REPLACE FIXED FIRE EXTINGUISHERS
  
26. REPLACE ROAD WHEEL ARM AND HUB
27. REPLACE ROAD WHEEL
28. REPLACE IDLER ARM AND HUB
29. REPLACE DRIVE SPROCKET HUB
30. ADJUST TRACK TENSION
  
31. REPLACE TRACK ASSEMBLY
32. REPLACE TRACK SHOES (PADS)
33. ADJUST STEERING CONTROL AND LINKAGE
34. REPLACE LOCKOUT CYLINDER ASSEMBLY
35. REPLACE BOOM CABLE
  
36. REPLACE BOOM HYDRAULIC CYLINDER
37. REPLACE HYDRAULIC LINES AND FITTINGS
38. REPLACE PERSONNEL HEATER ASSEMBLY
39. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS
40. OTHER

**MOS: 63N/T**

**EQUIPMENT TYPE: M578**

**TASK TYPE: PM Service**

- 1. PERFORM 'S' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63N/T**

**EQUIPMENT TYPE: M151**

**TASK TYPE: Corrective Maintenance**

1. ADJUST VALVES
2. ADJUST CLUTCH PEDAL FREE TRAVEL
3. REPLACE CLUTCH, PRESSURE PLATE AND THROWOUT BEARING
4. REPLACE CARBURETOR
5. REPLACE FUEL LINES AND VENT TUBES
  
6. REPLACE FUEL FILTERS
7. REPLACE FUEL PUMP
8. REPLACE FUEL TANK
9. REPLACE EXHAUST GASKETS
10. REPLACE MUFFLER AND/OR TAIL PIPE
  
11. REPLACE RADIATOR
12. REPLACE COOLANT HOSES AND CLAMPS
13. REPLACE BELTS AND/OR PULLEYS
14. ADJUST BELTS
15. REPLACE GENERATOR
  
16. REPLACE STARTER
17. REPLACE IGNITION DISTRIBUTOR
18. REPLACE CAPACITOR, ROTOR CONTACT POINTS AND/OR SPARK PLUGS
19. ADJUST CONTACT POINTS
20. ADJUST IGNITION TIMING
  
21. REPAIR WIRING
22. REPLACE BATTERIES, CABLES AND/OR CLAMPS
23. REPLACE CIRCUIT BREAKERS
24. REPLACE LIGHT BULBS AND WIRES
25. REPLACE SENDING UNITS OR GAGES
  
26. REPLACE UNIVERSAL JOINTS
27. REPLACE DIFFERENTIAL, FRONT OR REAR
28. REPLACE DIFFERENTIAL SEAL
29. REPLACE TRANSMISSION SEALS
30. REPLACE SLEEVE, SHAFT AND CROSS WHEEL DRIVE SEALS, FLANGE AND SPINDLE
  
31. REPLACE WHEEL BEARING
32. ADJUST WHEEL BEARING
33. ADJUST SERVICE BRAKES
34. ADJUST PARKING BRAKES
35. REPLACE SERVICE BRAKES

**MOS: 63BN/T - Type M151 (Continued)**

- 36. REPLACE SERVICE BRAKE LINES AND HOSES**
- 37. REPLACE MASTER CYLINDER**
- 38. REPLACE WHEEL CYLINDER**
- 39. REPLACE PARKING BRAKES**
- 40. ADJUST TOE IN**
  
- 41. REPLACE UPPER AND LOWER BALL JOINTS**
- 42. REPLACE UPPER AND LOWER SUSPENSION ARMS**
- 43. REPLACE SPRINGS**
- 44. REPLACE SHOCK ABSORBERS**
- 45. REPLACE FRONT SHOCK BUSHINGS**
  
- 46. REPLACE OR REPAIR TIRES**
- 47. REPLACE WINDSHIELD WIPER MOTOR**
- 48. REPLACE WINDSHIELD WIPER ARM AND BLADE**
- 49. REPLACE WINDSHIELD**
- 50. REPLACE PERSONNEL HEATER ASSEMBLY**
  
- 51. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS**
- 52. OTHER**

**MOS: 63N/T**

**EQUIPMENT TYPE: M151**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63N/T**

**EQUIPMENT TYPE: M35/M54**

**TASK TYPE: Corrective Maintenance**

1. ADJUST CLUTCH CONTROLS AND LINKAGE
2. REPLACE CLUTCH CONTROLS AND LINKAGE
3. REPLACE ELECTRICAL INTANK FUEL PUMP
4. TIGHTEN FUEL LINES AND FITTINGS
5. ADJUST/REPLACE ACCELERATOR CONTROLS AND LINKAGE
  
6. REPLACE FUEL OR OIL FILTERS
7. REPLACE EXHAUST GASKETS
8. REPLACE AIR CLEANER
9. REPLACE RADIATOR
10. REPLACE RADIATOR HOSE AND CLAMPS
  
11. REPLACE WATER PUMP
12. ADJUST FAN BELT
13. REPLACE FAN BELT
14. REPLACE STARTER
15. REPLACE BATTERY, CABLES AND/OR CLAMPS
  
16. REPLACE 25 AMP VOLTAGE REGULATOR
17. REPLACE GENERATOR/ALTERNATOR
18. REPLACE LIGHTS AND SWITCHES
19. REPLACE SENDING UNITS OR GAGES
20. REPAIR WIRING/CABLES
  
21. REPLACE HORN AND/OR WIRING
22. REPLACE EMERGENCY WARNING BUZZER
23. REPLACE UNIVERSAL JOINT
24. ADJUST SERVICE BRAKES
25. REPLACE HAND BRAKE SHOE
  
26. REPLACE SERVICE BRAKE SHOE
27. REPLACE MASTER CYLINDER
28. REPLACE WHEEL CYLINDER
29. REPLACE BRAKE LINES, FITTINGS OR HOSE
30. REPLACE HYDRAULIC CYLINDER (HYDROVAC)
  
31. REPAIR AIR SYSTEM LINES AND FITTINGS
32. REPLACE AIR COMPRESSOR
33. REPLACE AIR COMPRESSOR DRIVE BELT
34. REPLACE/REPACK WHEEL BEARINGS AND OUTER SEALS
35. REPLACE INNER AXLE SEALS
  
36. REPLACE/REPAIR TIRES
37. REPLACE/TIGHTEN LUG STUDS AND NUTS

**MOS: 63N/T - Type M35/M54 (Continued)**

- 38. ADJUST STEERING GEAR**
- 39. REPLACE PITMAN ARM**
- 40. REPLACE DRAG LINK COMPONENTS**
  
- 41. REPLACE STEERING KNUCKLE BOOT**
- 42. REPLACE SPRING SHACKLES AND BOLTS**
- 43. REPLACE WINDSHIELD WIPER MOTOR**
- 44. REPLACE WINDOWS, DOORS, OR MIRRORS**
- 45. REPLACE OR REPAIR WINCH CABLES, SHEAR PIN, OR DRIVE SHAFT**
  
- 46. ADJUST, TIGHTEN, OR REPLACE MINOR COMPONENTS**
- 47. OTHER**

**MOS: 63N/T**

**EQUIPMENT TYPE: M35/M54**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS:** 63N/T

**EQUIPMENT TYPE:** M561/M792

**TASK TYPE:** Corrective Maintenance

1. REPLACE OIL FILTER ELEMENT
2. REPLACE AIR BOX DRAIN TUBE
3. ADJUST ACCELERATOR LINKAGE
4. ADJUST ENGINE STOP CABLE
5. REPLACE AIR CLEANER ELEMENT
  
6. REPLACE EXHAUST GASKETS
7. REPLACE MUFFLER AND/OR TAILPIPE
8. ADJUST BELTS
9. REPLACE BELTS
10. REPLACE RADIATOR
  
11. REPLACE STARTER MOTOR
12. REPAIR WIRING
13. REPLACE BATTERIES, CABLES AND/OR CLAMPS
14. REPLACE LIGHTS
15. REPLACE HORN ASSEMBLY
  
16. ADJUST TRANSMISSION CONTROL AND LINKAGE
17. REPLACE UNIVERSAL JOINT
18. ADJUST PARKING BRAKE HANDLE AND LINKAGE
19. REPLACE MASTER CYLINDER
20. ADJUST AND BLEED SERVICE BRAKES
  
21. REPLACE FRONT OR REAR STEERING GEAR BOX
22. REPLACE TRACTOR AND CARRIER STEERING KNUCKLE
23. REPLACE TRACTOR AND CARRIER TIE ROD ASSEMBLIES
24. REPAIR TRACTOR FRONT TORQUE TUBE BEARING
25. REPLACE TRACTOR FRONT AND CARRIER SHOCK ABSORBERS
  
26. REPLACE INNER AND OUTER CENTRAL AXLE SHOCK ABSORBERS
27. REPLACE STEERING WHEEL
28. REPLACE WINDSHIELD WIPER MOTOR
29. REPLACE PERSONNEL HEATER
30. REPLACE BILGE PUMP
  
31. REPLACE WATERTIGHT SEALS
32. ADJUST, TIGHTEN OR REPLACE MINOR COMPONENTS
33. OTHER

**MOS: 63N/T**

**EQUIPMENT TYPE: M561/M792**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**MOS: 63N/T**

**EQUIPMENT TYPE: GOER**

**TASK TYPE: Corrective Maintenance**

1. REPLACE GENERATOR
2. REPLACE AND/OR ADJUST BELTS
3. REPLACE STARTER
4. REPLACE RADIATOR
5. REPAIR WIRING
  
6. REPLACE PRIMARY FUEL FILTER ELEMENT
7. REPLACE SECONDARY FUEL FILTER ELEMENT
8. REPLACE SERVICE BRAKES
9. REPLACE KING PINS
10. REPLACE/REPAIR HORN
  
11. REPAIR HYDRAULIC SYSTEM
12. ADJUST, TIGHTEN OR REPLACE MINOR COMPONENTS
13. OTHER

**MOS: 63N/T**

**EQUIPMENT TYPE: GOER**

**TASK TYPE: PM Service**

- 1. PERFORM 'A' SERVICE**
- 2. PERFORM 'L' SERVICE**

**APPENDIX C**  
**REPORT FORMATS**

'Z' CO. 9-99 ARMOR

INTERPRETATION COMMENTS

REPORTING PERIOD ENDING: 2155\* (4 JUN 82)

PERIOD END DATE & CYCLE	COMMENT
1359 N	<BN CHRISTMAS PARTY 1356> <HOLIDAY SCHEDULE 50 PERCENT MANNING 1356 THRU 1358> <CHRISTMAS HOLIDAY 1359>
2001 N	<HOLIDAY SCHEDULE 50 PERCENT MANNING 1360 THRU 1365> <NEW YEAR'S HOLIDAY 2001>
2008 R	
2015 A	<BN MAINT WEEK 2011 TO 2015. ROAD MARCH AND PMCS 2011-2013, PM AND CM 2014-2015>
2022 A	<PREPARE TO MOVE DOWN RANGE 2021>
2029 G	<SUPPORT 1/94 ARMOR BEGINS 2024>
2036 G	<SUPPORT 1/94 ARMOR>
2043 G	<SUPPORT 1/94 ARMOR COMPLETED 2037> <AFTER-OPERATION MAINTENANCE 2037 THRU 2039> <UNIT HOLIDAY 2043>
2050 A	<UNIT HOLIDAY 2046> <90 PERCENT OF UNIT OFF ON 2047>
2057 R	<UNIT HOLIDAY 2057--PAY DAY ACTIVITIES>
2064 R	<ADC(S) INSPECTION 2062>
2071 R	<TRAINING HOLIDAY 2071>
2078 A	<SUBCALIBER FIRING 2077>
2085 A	<12-MILE FOOT MARCH (-HQ PLAT) 2083, HQ PLAT 2085>
2092 G	<PREPARATION FOR MOVEMENT DOWNRANGE 2091> <TRAINING DOWNRANGE BEGINS 2092>
2099 G	<CONDUCT TACTICAL AND MOS TNG DOWNRANGE THRU 2098> <RETURN FROM DOWN RANGE - 2098> <TRAINING HOLIDAY-2099>
2106 G	<HQ-37 WAS TEMPORARY REPLACEMENT FOR A-10 2104 THRU 2106> <UNIT DOWN RANGE-2102-2106>
2113 A	<UNIT RETURNED FROM DOWNRANGE 2107> <UNIT TRAINING HOLIDAY 2109> <UNIT (-) TRAINING HOLIDAY 2113>
2120 R	<UNIT TRAINING HOLIDAY 2116> <UNIT HOLIDAY (PAY DAY ACTIVITIES) - 2120>
2127 R	<UNIT OFF (FAMILY DAY) - 2123> <UNIT OFF HALF DAY (SNOW) - 2125> <UNIT (-) IRON HORSE WEEK PRACTICE - 2125 TO 2127>
2134 N	<IRON HORSE WEEK 2130-2134>
2141 R	<PREPARATION FOR CHANGE OF COMMAND 2137-2140> <BATTALION CHANGE OF COMMAND 2141> <TRAINING HOLIDAY (HALF DAY) 2141>
2148 A	<UNIT HOLIDAY (PAY DAY ACTIVITIES) 2148> <3RD PLATOON IN Q SERVICE 2144-2148>
2155* A	<PRÉPARATION FOR TANK GUNNERY 2153-2155>

'Z' CO. 9-99 ARMOR

ROSTER

REPORTING PERIOD ENDING: 2197 (16 JUL 82)

MOS	NAME	CODE#	HIST	STRT DATE	ETD DATE	DAYS LEFT
11C/19D	BOBO, R(19E-E4) HORNER, M(19E-E4) OGREN, R(19E-E6) PSOTA(19E-E4) RIVERA, J(19E-E4) SCHOONMAKER, R(19E-E5) SPAIDE, D(19E-E4) THORPE, K(19E-E5) WEST, B(19E-E4)	177 120 136 171 183 146 180 201 198		1336 0001 1189 1337 2015 0001 1343 2166 2161	3181 2177 3179 3007 3223 5030 3081 6120 5015	349 -20 ** 347 175 391 929 249 1384 914
19E/F	BARNES, J(19E-E6) BENKEY, M(19E-E5) DIAZ, O(19E-E4) HUGHES, G(19E-E5) JORDAN, A(19E-E4) MCNAIR, D(19E-E4) OSGOOD, B(19E-E1) REIISMA, S(19E-E1) ROUDYBUSH, B(19E-E5) TUCKER, D(19E-E4) WEBB, T(19E-E2) WILLIAMS, J(19E-E3)	103 175 168 194 123 179 206 197 143 156 162 188	N	1200 1341 0001 2155 0245 1336 2176 2161 0001 0001 0336 2014	2250 3233 2365 4019 4160 3225 4182 5103 3003 3155 4217 3196	53 401 168 552 693 393 715 1002 171 323 750 364
45N	CARROL, C(76C-E4) CLARK, D(19E-E4) CUNNINGHAM, J(19E-E1) DAVIS, K(19E-E3) LOYNACHAN, D(19E-E4) MOONEY, M(19E-E5) RIVERA, D(19E-E4) ROHR, A(19E-E6) RUPERTOROSALDO, K(19E-E4) TOBIN, F(19E-E5)	190 111 199 114 173 132 141 195 144 155		2128 0153 2165 0001 1336 1156 0275 2158 0001 1152	3002 3070 5032 2170 3125 3039 4177 5118 2204 4076	170 238 931 -27 ** 293 207 710 1017 7 ** 609
63N/T	ALEXANDER, J(19E-E4) BURNS, J(19E-E6) GREEN, K(19E-E4) HOLBROOK, J(19E-E4) LABRADA, L(19E-E1) LUCAS, J(19E-E4) MANNING, W(19E-E4)	100 107 187 185 192 127 184		0245 1182 2015 2016 2141 0047 2021	3140 4138 2219 3212 5019 3235 3186	308 671 22 ** 380 918 403 354

\*\* 45 DAYS OR LESS REMAINING

REF# 2 CBN:

J ECO:

J

'Z' CO. 9-99 ARMOR

TABLE 1 (11C/19D): MAINTENANCE MAN-HOURS

REPORTING PERIOD ENDING: 2155\* (4 JUN 82)

PERIOD END DATE & CYCLE	ASSIGNED MAN-HRS	TOTAL MAINT MAN-HRS	MAINT. MAN-HRS PER MAN ▲
1359 N	2720	6	.1 ▼
2001 N	2728		
2008 R	2720		
2015 A	2680	1197	18.2 ^
2022 A	2640	275	4.7
2029 G	2600	261	4.3
2036 G	2600	227	3.8
2043 G	2600	70	1.2
2050 A	2600		
2057 R	2552		.3
2064 R	2544	131	2.9
2071 R	2520	4	.3
2078 A	2520	30	.5
2085 A	2512	39	.8
2092 G	2352	434	7.9
2099 G	2280	689	12.6
2106 G	2144	986	19.2 ^
2113 A	2120	162	4.3
2120 R	2120	3	.1 ▼
2127 R	2120		.2 ▼
2134 N	2144	18	.4
2141 R	2104		
2148 A	2048		
2155* A	1864	435	4.3
LONG-TERM AVERAGES	2433	292	5.2

^ = SIGNIFICANTLY ABOVE AVERAGE

▼ = SIGNIFICANTLY BELOW AVERAGE

REF# 101 CBN:

BMO ] ECO: CDR XO

]

'Z' CO. 9-99 ARMOR

TABLE 2 (M60): AVERAGE MANHOURS PER CORRECTIVE MAINTENANCE TASK

REPORTING PERIOD ENDING: 2155 (4 JUN 82)

MOS/TASK	MAN-HOURS/TASK			
	TIMES DONE	PAST AVG.	CURR AVG.	TIMES DONE
19E				
=====				
1 REPLACE TRACK OR TRACK BLOCK	1	19.5	40.0	^ 1
2 REPLACE ROAD WHEEL AND/OR BEARINGS	1	6.0		
3 REPLACE ROAD WHEEL ARM				
4 REPLACE TORSION BAR	1	21.0	9.8	v 1
5 REPLACE SHOCK ABSORBERS				
6 REPLACE COMP. IDLER WHEEL HUB AND ARM				
7 REPLACE COMPENSATING IDLER ASSEMBLY				
8 REPLACE DRIVE SPROCKET				
9 REPLACE FINAL DRIVE				
10 REPLACE POWERPACK	5	9.1		
11 REPLACE AIR CLEANER FILTER				
12 BORESIGHT 105mm MAIN GUN				
13 BORESIGHT COAX MACHINEGUN				
14 REPLACE EVACUATOR CHAMBER GROUP				
15 REPLACE M32/M36 PERISCOPE				
16 REPLACE M37 PERISCOPE	2	2.2	1.8	1
17 BORESIGHT SEARCHLIGHT				
18 REPAIR BREECH BLOCK				
19 REPAIR BREECH OPERATING MECHANISM				
20 MAINTAIN COAX MACHINEGUN	5	14.2	8.3	1
45N				
=====				
1 REPLACE TURRET SLIP RING BOX	1	1.5		
2 REPLACE SLIP RING INTERFERENCE SWITCH	1	.3		
3 REPLACE LOADER SAFETY SWITCH				
4 REPLACE RESISTOR ASSEMBLY				
5 REPAIR MAIN GUN FIRING CIRCUIT	2	.4	.6	1
6 REPAIR STABILIZATION SYSTEM	1	.4		
7 REPLACE SUPERELEVATION ACTUATOR	1	.4		
8 PRIME (CHARGE) MANUAL ELEVATION SYSTEM	4	.2		
9 REPLACE ANTI-BACKLASH CYLINDER	1	.5	1.3	^ 1
10 ADJUST TRAVERSING BACKLASH GEAR				
11 REPAIR PIN LOCK	2	4.4	1.7	v 1
	2	.6		

^ = SIGNIFICANTLY ABOVE AVERAGE

v = SIGNIFICANTLY BELOW AVERAGE

REF# 201 CBN:

ECO:

Z CO. 9-99 ARMOR

TABLE 3 (M60): MAINTENANCE MAN-HOURS AND COSTS PER VEHICLE

REPORTING PERIOD ENDING: 2155 (4 JUN 82)

VEHICLE BUMPER NUMBER	VEHICLE MILEAGE $\Delta$	Avg Parts \$ Cost/ Period $\Delta$	Avg. CM Man-Hrs/ Period $\Delta$	Avg PM Man-Hrs/ Period $\Delta$
11	643	0.00 $\vee$	0.1 $\vee$	6.7
12	366	0.00 $\vee$	0.1 $\vee$	9.7
13	713	14.95	2.3	8.8
14	5152 $\wedge$	0.00 $\vee$	0.4	5.9
15	4300	339.50	2.9 $\wedge$	10.0
16	3552	0.00 $\vee$	0.1 $\vee$	4.4
21	4471	365.64 $\wedge$	2.0	9.5
22	4361	246.25	1.3	11.1
23	780	14.40	2.5	8.5
24	2228	246.25	0.5	11.8 $\wedge$
25	195	2.18	1.4	10.1
26	5134 $\wedge$	0.00 $\vee$	0.0 $\vee$	7.8
31	3112	0.00 $\vee$	0.7	6.8
32	760	78.39	1.6	7.1
33	428	0.00 $\vee$	0.2	5.0
34	180 $\vee$	0.00 $\vee$	0.9	2.6 $\vee$
35	3866	0.00 $\vee$	0.3	7.4
AVGS	2345	82.16	0.8	6.7

$\wedge$  = SIGNIFICANTLY ABOVE AVERAGE

$\vee$  = SIGNIFICANTLY BELOW AVERAGE

REF# 301 CBN:

J ECO: J

'Z' CO. 9-99 ARMOR

TABLE 4 (M60): VEHICLE MAINTENANCE HISTORIES

REPORTING PERIOD ENDING: 2141 (21 MAY 82)

VEHICLE NUMBER	MAINTENANCE TASK	JULIAN DATE	REPEATED TASK FLAG
11	PERFORM SYNCHRON. CHECK (RAMP METHOD)	2011	
	REPLACE M13A2/M13A1D BALLISTIC COMPUTER	2026	▼
	REPLACE M13A2/M13A1D BALLISTIC COMPUTER	2067	▼
	ADJUST SERVO BANDS	2070	
	REPLACE RANGEFINDER	2079	
	REPLACE STARTER	2096	
	PERFORM 'Q' SERVICE (-20 TM)	2097	
	REPLACE POWERPACK	2110	
12	REPLACE SUPERÉLEVATION ACTUATOR	1344	
	PERFORM 'Q' SERVICE (-20 TM)	1344	
	PERFORM SYNCHRON. CHECK (RAMP METHOD)	2011	
	REPLACE STARTER	2053	▼
	ADJUST SERVO BANDS	2070	
	REPLACE VOLTAGE CONTROL BOX	2090	
	REPLACE STARTER	2090	▼
13	ADJUST HYDRAULIC BRAKE CONTROLS/LINKAGE	1338	▼
	ADJUST HYDRAULIC BRAKE CONTROLS/LINKAGE	1344	▼
	SERVICE MAIN ACCUMULATOR	1344	
	SERVICE M32/M36 PERISCOPE	1344	*
	PERFORM SYNCHRON. CHECK (RAMP METHOD)	2011	
	REPLACE POWERPACK	2021	*
	ADJUST SERVO BANDS	2070	
	REPLACE POWERPACK	2095	*
	REPLACE DRIVE SPROCKET/HUB	2095	
	SERVICE M32/M36 PERISCOPE	2096	*
	REPLACE M37 PERISCOPE	2098	
	ADJUST HYDRAULIC BRAKE CONTROLS/LINKAGE	2105	▼
14	PERFORM SYNCHRON. CHECK (RAMP METHOD)	2011	
	ADJUST/REPLACE MINOR COMPONENTS	2019	
	PERFORM 'L' SERVICE (LO)	2020	
	SERVICE M32/M36 PERISCOPE	2020	
	REPLACE M13A2/M13A1D BALLISTIC COMPUTER	2026	
	REPLACE SUPERELEVATION ACTUATOR	2048	
	PERFORM 'Q' SERVICE (-20 TM)	2053	
	MAINTAIN COAX MACHINEGUN	2060	▼
	MAINTAIN COAX MACHINEGUN	2060	▼

'Z' CO. 9-99 ARMOR

TABLE 5 (M60): MONTHLY MAINTENANCE WORK SUMMARY

REPORTING PERIOD ENDING: 2141 (21 MAY 82)

VEHICLE BUMPER NUMBER	MAINTENANCE TASKS AND PERSONNEL	MAN HRS	JULIAN DATE
11	PERFORM SYNCHRON. CHECK (RAMP METHOD) CRIBBINS,D(45N-E5)	5.6	2121
	ADJUST SERVO BANDS CARRIER,C(63N-E6)	3.2	2113
	GREEN,R(63N-E1)	1.4	
12	REPLACE SUPERELEVATION ACTUATOR HADDOCK,N(45N-E4)	.2.1	2133
	REPLACE STARTER OKEEFE,E(63N-E4)	1.1	2128
13	ADJUST HYDRAULIC BRAKE CONTROLS/LINKAGE STOOPS,J(63N-E5)	4.4	2141
	SERVICE M32/M36 PERISCOPE CRIBBINS,D(45N-E5)	1.9	2140
	HADDOCK,N(45N-E4)	4.5	
	REPLACE POWERPACK LUCAS,J(19E-E4)	6.3	2134
	MORGAN,W(19E-E1)	3.3	
	OSGOOD,(19E-E1)	1.1	
	SMITHLEY,E(19E-E5)	8.9	
14	PERFORM SYNCHRON. CHECK (RAMP METHOD) CRIBBINS,D(45N-E5)	9.1	2140
	SERVICE M32/M36 PERISCOPE HADDOCK,N(45N-E4)	.2	2135
	REPLACE STARTER CARRIER,C(63N-E6)	.1	2132
	GREEN,R(63N-E1)	4.0	
	OKEEFE,E(63N-E4)	1.1	
	STOOPS,J(63N-E5)	5.5	

## TABLE 6 (63N/T) : EXPERIENCE, QUALIFICATION, AND CERTIFICATION FOR MAINTENANCE TASKS

REPORTING PERIOD ENDING: 2155 (4 JUN 82)

<u>NAME/PAYGRADE</u>	<u>BMP</u>	<u>TASKS</u>	<u>EXP</u>	EXPERIENCE INDEX		
				<u>CERT</u>	<u>%</u>	<u>INDEX</u>
ALL E1/E2		3	5	-	-	+
ALL E3		8	12	-	-	+
ALL E4		28	35	-	-	+
ALL E5-E7		48	60	-	-	-
ALL E1-E7		62	70	-	-	+
STEWART, C(19E-E7)	C	84	92	-	-	+
ANDERSON, M(19E-E6)	C	78	87	-	-	+
TENNESSEN(19E-E5)	C	75	76	-	-	-
MARTINEZ, A(19E-E6)		56	62	-	-	+
LUCAS, J(19E-E4)		54	62	-	-	+
WILLIAMS, M(19E-E5)		50	57	-	-	+
MARTINEZ, J(19E-E5)		52	54	-	-	+
BURNS, J(19E-E6)		40	43	-	-	+
SPADEF, D(19E-E4)		39	43	-	-	+
JENSEN, W(19E-E4)		15	24	-	-	-
HOLBROOK, J(19E-E4)		18	24	-	-	-
DAVIS, K(19E-E3)		6	8	-	-	-
OMALZA, G(19E-E3)		0	0	-	-	-
RIVERA, J(19E-E4)		0	0	-	-	-
SCHOONMAKER, R(19E-E5)		0	0	-	-	-

+ EXPERIENCE GROWTH DURING LAST 6 WEEKS

REFM 607 CBN:

J ECO: J

'Z' CO. 9-99 ARMOR

TABLE 7 (63N/T): INDIVIDUAL QUALIFICATION AND EXPERIENCE PROFILE

REPORTING PERIOD ENDING: 2155 (4 JUN 82)

NAME: ALEXANDER,J(19E-E3)

EQUIPMENT/TASK =====	QUAL	NO. TIMES	NO. TIMES DONE				
			1	5	10	15	20

M60 FAMILY - CORRECTIVE MAINTENANCE

1 REPLACE POWERPACK		6	-----			
2 REPLACE VOLTAGE CONTROL BOX		2	--			
3 REPLACE STARTER		1	-			
4 REPLACE GENERATOR		Q	17	-----		
5 REPLACE ENGINE OIL COOLER		Q	17	-----		
6 REPLACE AIR CLEANER BLOWER MOTOR						
7 REPLACE FAN TOWER SEAL		1	-			
8 REPLACE OIL COOLER LINES		0				
9 ADJUST STEERING CONTROLS AND LINKAGE		4	---			
10 ADJUST SERVO BANDS		9	-----			
11 ADJUST HYDRAULIC BRAKE CONTROLS/LINKAGE		6	-----+			
12 REPLACE FIXED FIRE EXTINGUISHERS		2	-+			
13 REPLACE ROAD WHEELS AND/OR BEARINGS		7	-----			
14 REPLACE ROAD WHEEL ARM		Q	20	-----		
15 REPLACE TORSION BAR		6	-----			
16 REPLACE SHOCK ABSORBERS		0				
17 REPL. COMP. IDLER WHEEL HUB&ARM/BEARING		0				
18 REPLACE COMPENSATING IDLER ASSEMBLY		5	-----			
19 REPLACE DRIVE SPROCKET/HUB		1	-			
		2	--			

M60 FAMILY - PREVENTIVE MAINTENANCE

PERFORM 'Q' SERVICE	Q	13	-----+
PERFORM 'L' SERVICE			

+ EXPERIENCE GROWTH DURING LAST 6 WEEKS

REF# 707 CBN:

J ECO: J

9-99 ARMOR

TABLE 8: BATTALION MAINTENANCE MAN-HOUR SUMMARY

REPORTING PERIOD ENDING: 2050\* (19 FEB 82)

MAINTENANCE MAN-HOURS

MOS	MAN-HOUR FACTOR	COMPANY					
		A	B	C	CSC	HHC	BN
31V	ASSIGNED	180	180	140	140	140	80
	EXPENDED	12	6	22	30	15	26
	PER MAN	10.6	5.3	25.1	34.3	17.1	52
45N	ASSIGNED	140	140	140			80
	EXPENDED	13	22	0			16
	PER MAN	14.8	25.1	0			32
63B/S	ASSIGNED				180	180	160
	EXPENDED				18	56	20
	PER MAN				16	49.7	20
63N/T	ASSIGNED	160	160	220	180		800
	EXPENDED	42	19	88	44		200
	PER MAN	42	19	64	34.1		40
ALL	ASSIGNED	480	480	500	500	320	1120
	EXPENDED	67	47	110	92	71	262
	PER MAN	21.5	18.4	38	29.8	33.5	36

9-99 ARMOR

TABLE 9: BATTALION MAINTENANCE QUALIFICATION SUMMARY

REPORTING PERIOD ENDING: 2050\* (19 FEB 82)

MAINTENANCE QUALIFICATION

MOS	QUAL FACTOR	COMPANY					
		A	B	C	CSC	HHC	BN
31V	% QUALS	64	78	66	88	100	42
	NO. NEW QUALS	0	1	0	0	0	2
45N	% QUALS	78	71	66			52
	NO. NEW QUALS	1	2	2			0
63B/S	% QUALS				44	49	89
	NO. NEW QUALS				2	1	0
63N/T	% QUALS	75	70	68	100	...	55
	NO. NEW QUALS	1	2	1	0		4
ALL	% QUALS	70	73	67	72	74	64
	NO. NEW QUALS	2	5	3	2	1	6

'Z' CO. 9-99 ARMOR

TABLE 10 (M60): COMPONENT SERVICEABILITY CHECK

REPORTING PERIOD ENDING: 2001\* (1 JAN 82)

<u>PERIOD END DATE &amp; CYCLE</u>	BATTERY			REGULATOR			GENERATOR		
	<u>NUMBER</u>	<u>NO.</u>	<u>PCT</u>	<u>NUMBER</u>	<u>NO.</u>	<u>PCT</u>	<u>NUMBER</u>	<u>NO.</u>	<u>PCT</u>
	<u>TESTED</u>	<u>SERV</u>	<u>SERV</u>	<u>TESTED</u>	<u>SERV</u>	<u>SERV</u>	<u>TESTED</u>	<u>SERV</u>	<u>SERV</u>
1205	G								
1212	G								
1219	G								
1226	G								
1233	A								
1240	A								
1247	A								
1254	R								
1261	R								
1268	R								
1275	A								
1282	A								
1289	R								
1296	R								
1303	A								
1310	G								
1317	G								
1324	G								
1331	G								
1338	A								
1345	R								
1352	R								
1359	N								
2001*	N								

LONG-TERM  
AVERAGES

REF# 1001 CBN:

J ECO:

J